Pt. 53, Subpt. B, App. A

40 CFR Ch. I (7-1-10 Edition)

APPENDIX A TO SUBPART B OF PART 53— OPTIONAL FORMS FOR REPORTING TEST RESULTS

TABLE B-5—SYMBOLS AND ABBREVIATIONS

<i>B_L</i>	Analyzer reading at specified <i>LDL</i> concentration.
B _z	Analyzer reading at 0 concentration for LDL test.
DM	Digital meter.
C _{max}	Maximum analyzer reading during 12ZD test.
C _{min}	Minimum analyzer reading during 12ZD test.
i	Subscript indicating the <i>i</i> -th quantity in a series.
<i>IE</i>	Interference equivalent.
L ₁	First analyzer zero reading for 24ZD test.
L ₂	Second analyzer zero reading for 24ZD test.
M_n	Average of $P_1 \dots P_6$ for the <i>n</i> -th test day.
<i>M</i> _n	Adjusted span reading at 20 percent of <i>URL</i> on the <i>n</i> -th test day.
MSD	Span drift at 20 percent of URL.
n	Subscript indicating the test day number.
P	Analyzer reading for precision test.

TABLE B-5—SYMBOLS AND ABBREVIATIONS—Continued

P _i	The i-th analyzer reading for precision test.
P ₂₀	Precision at 20 percent of URL.
P ₈₀	Precision at 80 percent of URL.
R	Analyzer reading of pollutant alone for IE test.
R _I	Analyzer reading with interferent added for <i>IE</i> test.
r _i	The i-th DM reading for noise test.
S	Standard deviation of noise readings.
S_0	Noise value (S) measured at 0 concentration.
S ₈₀	Noise value (S) measured at 80 percent of URL.
S _n	Average of $P_7 \dots P_{12}$ for the <i>n</i> -th test day.
S_n	Adjusted span reading at 80 percent of <i>URL</i> on the <i>n</i> -th test day.
URL	Upper range limit.
USD	Span drift at 80 percent o
Z	Average of L_1 and L_2 .
Z _n	Average of L_1 and L_2 on the n -th test day.
Z_n	Adjusted zero reading on the n-th test day.
ZD	Zero drift.
12 <i>ZD</i>	12-hour zero drift.
24 <i>ZD</i>	24-hour zero drift.

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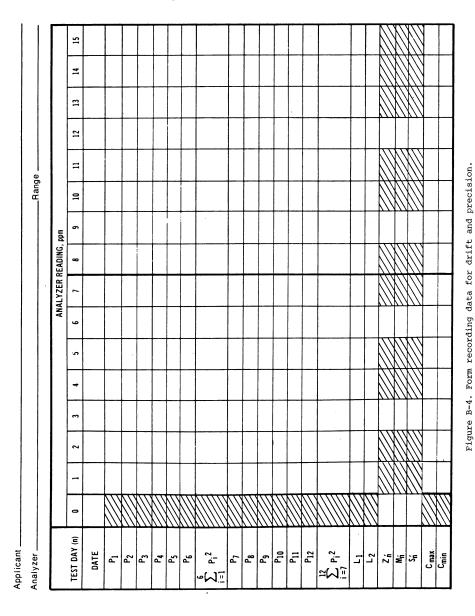
Applicant				Date	
Test No					
Analyzer				_ Range	
READING		0% of U	RL	80% of	URL
NUMBER (i)	TIME	DM READING	r _į , ppm	DM Reading	r _i , ppm
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					·
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
$\sum_{i=1}^{25} r_i$					

Figure B-2. Form for noise data.

Figure B-3. Form for data and calculations for lower detectable limit and interference equivalent.

MTENFERENCE EQUIVALENT	<u> </u>	READING OR CALCULATION 82	~		-	-	183	TEST RUMBER		=	=	21		
		R14 1E4 : R14 · R4			Ī									
<u> </u>		ož o		\prod				\prod	\prod					
	.	K15 1E5 * R15 · R5												
<u> </u>	TOTAL	• (ỷ:											1	

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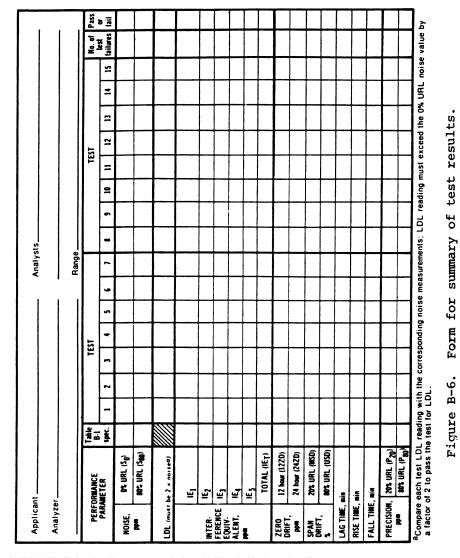


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Applicant _

Figure B-5. Form for calculating zero drift, span drift and precision.

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 $[40~{\rm FR}~7049,~{\rm Feb}.~18,~1975,~{\rm as~amended~at}~40~{\rm FR}~18169,~{\rm Apr.}~25,~1975]$

Subpart C—Procedures for Determining Comparability Between Candidate Methods and Reference Methods

Source: 71 FR 61278, Oct. 17, 2006, unless otherwise noted.

§53.30 General provisions.

(a) Determination of comparability. The test procedures prescribed in this subpart shall be used to determine if a candidate method is comparable to a reference method when both methods measure pollutant concentrations in